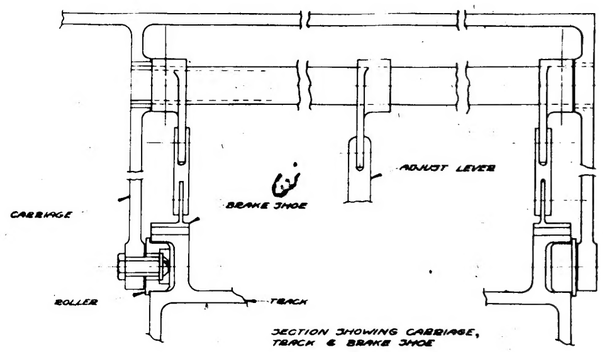
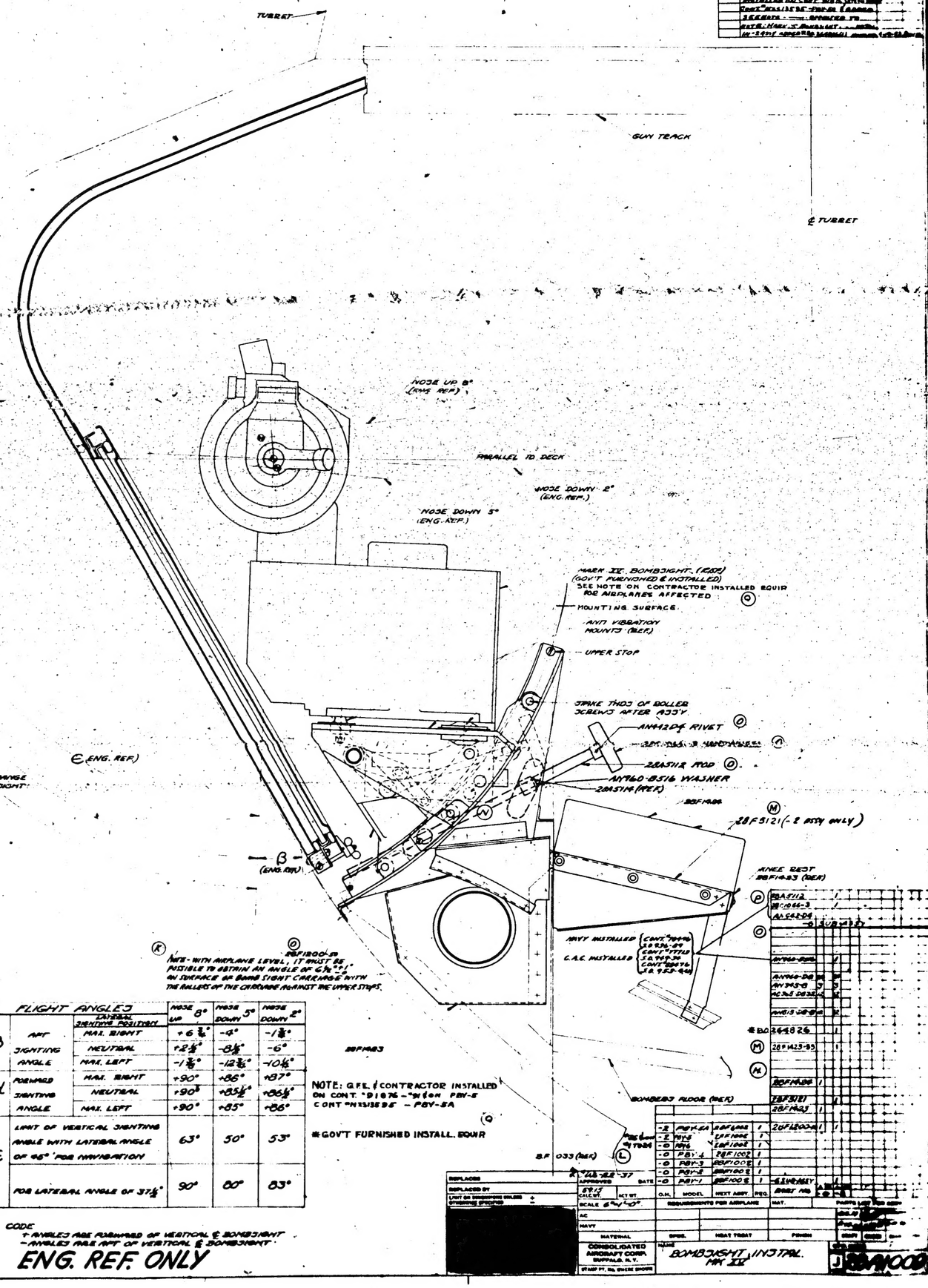


SECTION SHOWING CARRIAGE, TRACK & BRAKE SHOE

LET	ALTERATION
E	TRACED
F	REMOVED [illegible]
G	REMOVED [illegible]
	[illegible]
H	INCORPORATED: E.O. & [illegible]
	ADDED: [illegible]
J	REMOVED DETAILS 'A' & 'B'
K	ADDED INSTALLATIONS - (ENG REF) AND NOTE RE-GRADUITY ON [illegible]
L	ADDED - [illegible]
	[illegible]
	[illegible]
M	28F1429-55 ADDED
	28F5121 WAS 28F2151
N	ADDED 2 HOLES TO 28F[illegible]
O	CHANGED 28F1500 TO 28F[illegible] AND 28F1066-3, 28A[illegible]
	ADDED [illegible]
	ADDED AN960-[illegible]
P	CREATED SUB-ASSY (-0) CONT [illegible]
	SIZING OF 28A[illegible]
	AC6/066-3 HANDWHEEL
	AN442-D4 (NO WT CHG)
Q	ADDED [illegible]
	ADDED [illegible]
	[illegible]
	[illegible]
	[illegible]
	[illegible]
	[illegible]

E.O. 26376

E.O. #A 12614
E.O. 8[illegible]
HCE-[illegible]



FLIGHT ANGLES		LATERAL SIGHTING POSITION	NOSE UP 8°	NOSE DOWN 5°	NOSE DOWN 2°
β	AFT SIGHTING ANGLE	MAX. RIGHT	+6 7/8°	-4°	-1 7/8°
		NEUTRAL	+2 1/8°	-8 1/8°	-6°
		MAX. LEFT	-1 7/8°	-12 7/8°	-10 1/8°
α	FORWARD SIGHTING ANGLE	MAX. RIGHT	+90°	+86°	+87°
		NEUTRAL	+90°	+85 1/2°	+86 1/2°
		MAX. LEFT	+90°	+85°	+86°
ε	LIMIT OF VERTICAL SIGHTING ANGLE WITH LATERAL ANGLE OF 45° FOR NAVIGATION		63°	50°	53°
	FOR LATERAL ANGLE OF 37½°		90°	80°	83°

SIGHTING DATA (ENG. REF.)

1. ESTIMATE FLIGHT ANGLES FOR THE PBY-1 AIRPLANE ARE AS FOLLOWS:
   a. NOSE UP 8° FOR A SPEED OF 10% ABOVE STALLING AT 3GR LEVEL.
   b. NOSE DOWN 5° FOR A SPEED OF 10% BELOW TOP SPEED AT 3GR LEVEL.
2. THE LOADING CONDITION FOR THE ABOVE DATA IS WITH FULL BOMB LOAD LESS 40% FUEL.
3. THE NOSE DOWN 2° CONDITION IS WITH FULL LOAD LESS 40% FUEL AND FULL SPEED AT 90% OF THE SERVICE CEILING.
4. ALL FLIGHT ANGLES ARE GIVEN RELATIVE TO THE DECK.

CODE
+ ANGLES ARE FORWARD OF VERTICAL ℄ BOMBSIGHT
− ANGLES ARE AFT OF VERTICAL ℄ BOMBSIGHT

ENG. REF. ONLY

[redacted] 27

-2	PBY-5A	28F1483	1			
-2	PBY-5	28F1002	1			
-0	PBY-5	28F1002	1			
-0	PBY-1	28F1002	1			
-0	PBY-3	28F1002	1			
-0	PBY-5	28F1002	1			
-0	PBY-1	28F1002	1	-6 ASSEMBLY		
				28F1002		

DATE	O.H.	MODEL	NEXT ASSY.	REQ.
	REQUIREMENTS FOR AIRPLANE		MAT.	
	SPEC.	HEAT TREAT	FINISH	

J 28A1002